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International Centre for Chemical Safety and Security in Tarnów – from concept to implementation

G8 Global Partnership, Miami, 17th of April 2012

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Chemical centre of excellence for safety and security will help manage risk related to the growing complexity in the sector

Situation

- Fast growth of chemical industry and globalized access to chemicals
- More focus of governments and local communities on safety in chemical plants and in supply chains
- Dual-use chemicals
- Possibility to use chemicals contrary to identified purposes
- Construction of chemical plants in places with limited experience in security and safety
- Complex supply chains including transport between several locations
- Not consistent standards in different countries
- Limited coordination of research efforts

Centre for Chemical Safety and Security

Benefits

- Centre of excellence in chemical safety and security – definition of standards, coordination of national organizations
- Increased safety of production, infrastructure and supply chain
- Continuity and sustainability to the international efforts in chemical safety and security
- Promotion of research
- Promotion of good laboratory practice and prevention of sales of toxic compounds
- Implementation of chemical security in several areas (production, transport, handling, trade, supply chain and others)
- Prohibition of Chemical Weapons
- Experience sharing

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International Centre for Chemical Safety and Security (ICCSS) will respond to changes in chemical industry

Objectives for ICCSS

Centre of excellence in chemical safety and security

- Implement the principles of continuity and sustainable development to the international efforts in safety and security
- Develop public-private partnership and modern management practices
- Promote prevention and preparedness against the misuse of toxic chemicals
- Enhance security at chemical facilities and in transportation of chemicals
- Promote national capacity building for research development, storage, production and safe use of chemicals
- Rise awareness about the nature of dual-use chemicals and risks arising from the use of chemicals contrary to their identified purposes

Support in development of national and international networks of chemical safety and security offices in countries and relevant international organizations

- Coordinate international activities concerning chemical safety and security
- Cascade tasks and objectives to relevant national organizations
- Expand partnership with the Organization for the Prohibition of Chemical Weapon (OPCW)
- Expand partnership with The World Health Organization (WHO)
- Close cooperation with Interpol's chemical and explosive terrorism prevention unit to be launched in 2012
- Other partners to be identified

Increased safety of production, infrastructure, supply chain identified as priority for chemical industry

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Key elements of the vision for the ICCSS have been identified

Elements of the vision for ICCSS

Example

Scope of activities

- ICCSS will cover all aspects of chemical safety and security including :
  - Production
  - Infrastructure
  - Supply chain
  - Scientific research
  - Laboratory work
  - Other academic studies and activities

Identified as priority for governments, industry, local communities and NGOS

Offered services

- Providing expert advise
- Developing training programs
- Delivering trainings through the network of certified, experienced trainers
- Granting international and national certification
- Promoting scientific exchange
- Developing and implementing new environmentally safe processes and materials in the area of disposal of toxic materials
- Providing support for chemical industry players

Vision elements for ICCSS

Geographical coverage

- ICCSS is supposed to be an international platform covering all countries willing to participate
- ICCS as an umbrella organization coordinating national centres for chemical safety and security

Concept of continuity and sustainable development

- ICCSS will act an continuous and sustainable vehicle thanks to:
  - Long term vision and approach
  - Effective organization and support of public authorities
  - Legal liability of companies for compliance with sustainable criteria
  - Risk reduction activities through implementation of appropriate contracts
  - Support from authorities in implementing the authorization procedure

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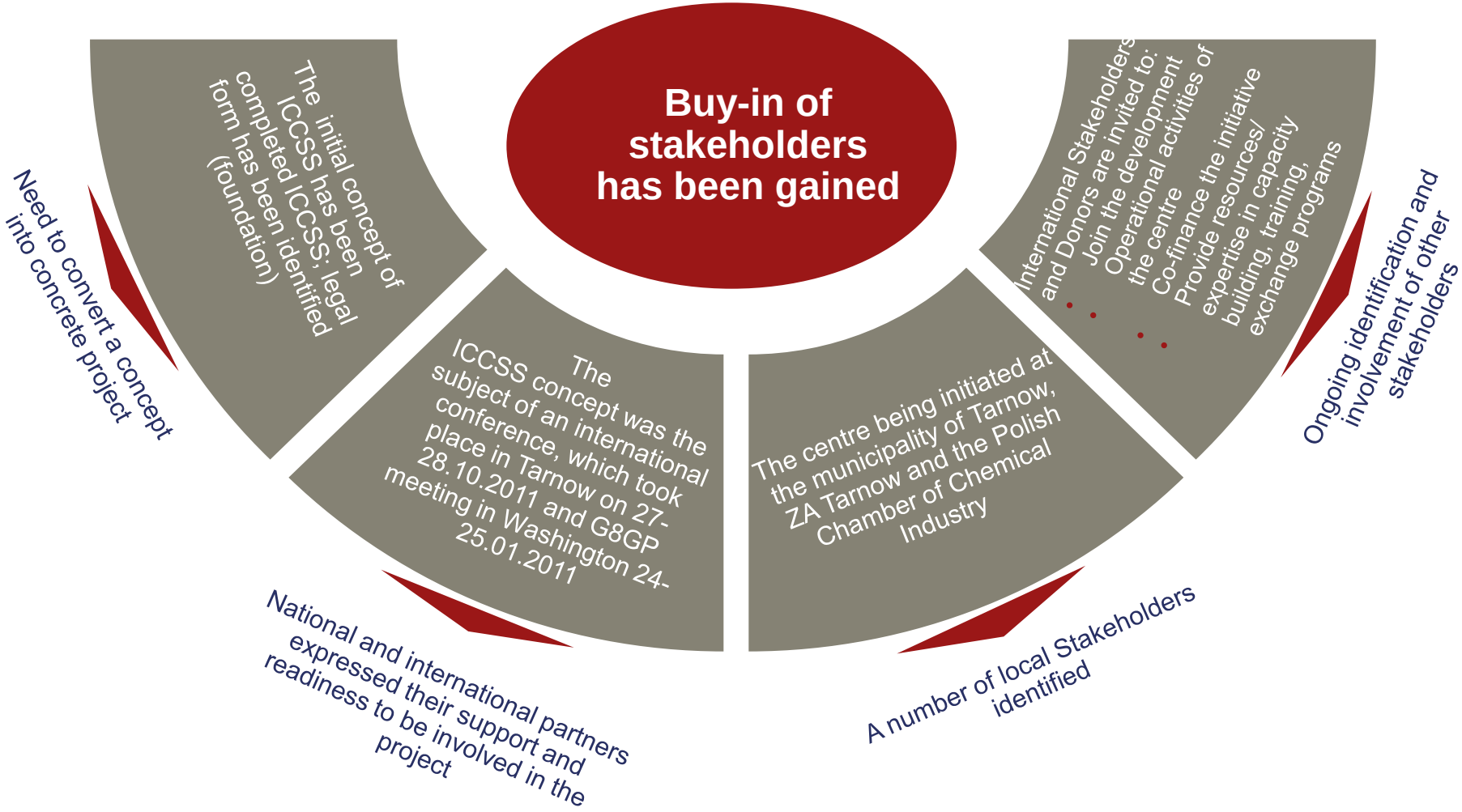
The initial concept of ICCSS gained acceptance of stakeholders and needs conversion to a realistic business plan



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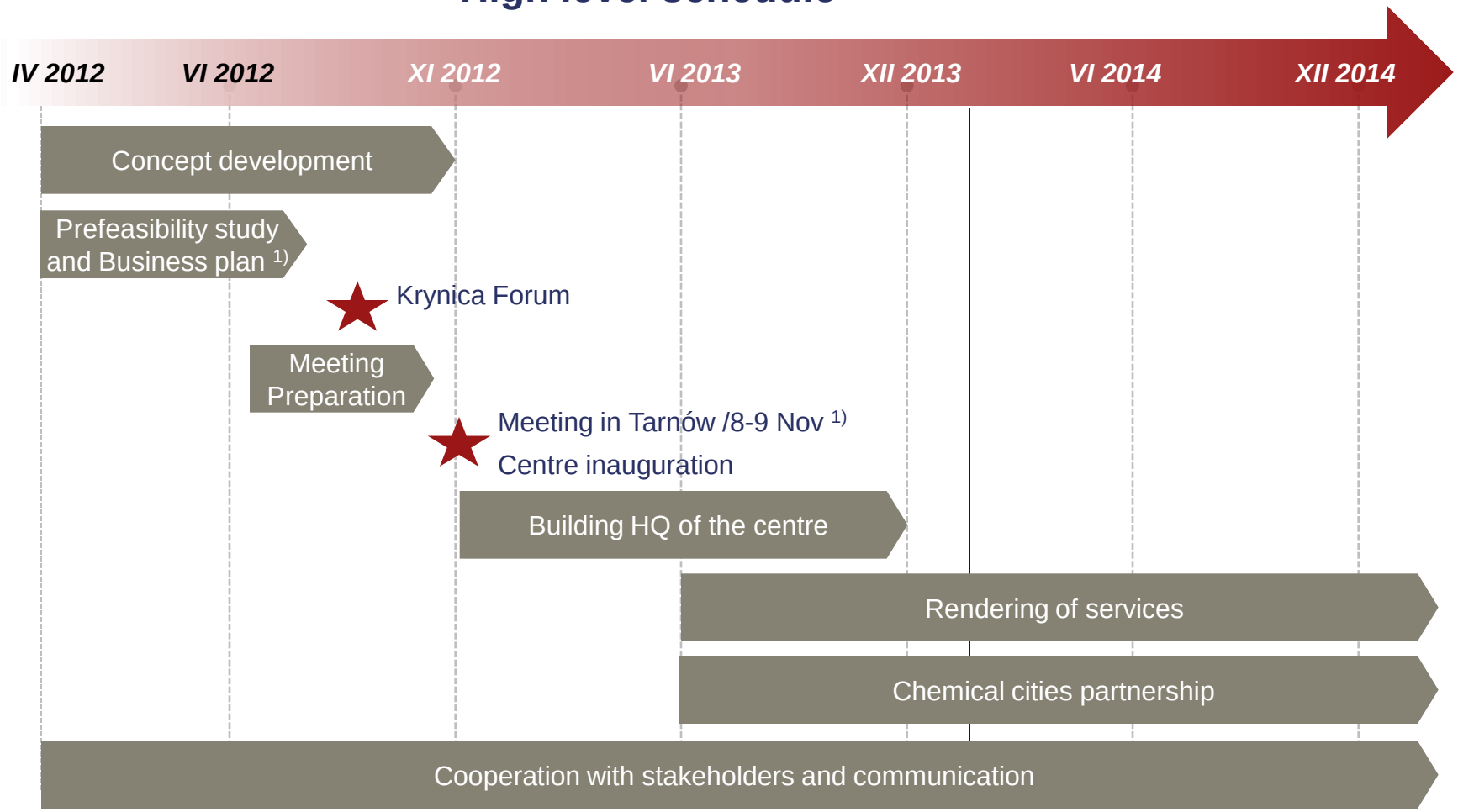
The centre will start rendering first services in the second half of 2012; Full operability will be achieved in second half of 2013

High level schedule



1) Details on following slides

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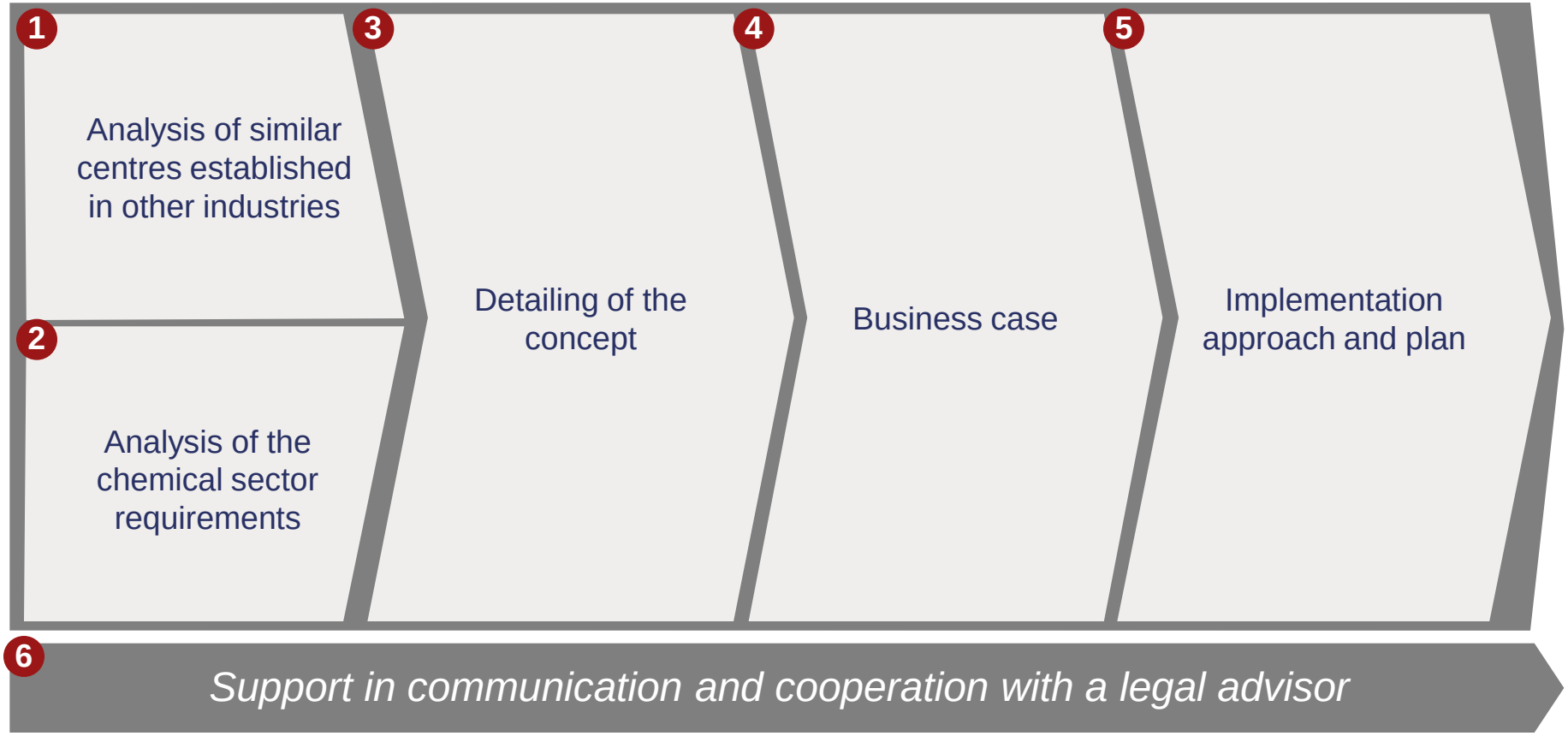
In the first step we plan to detail the ICCSS concept and calculate the business case

Simplified project approach



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According to an ambitious plan the Centre will start first activities already in 2012

- The Programme Board of the Centre, composed of national and international experts initiated the development of course curricula and chemical industry training materials; The training courses for national and international partners will be initiated in the summer 2012
- The Centre entered into contacts and expanded partnerships with the chemical industry, academia and laboratories, as partners and/or collaborators
- In particular, the Centre will seek partnerships with G8 GP, OPCW, WHO, and other international organisations
- The Centre will operate a website to strengthen national and international networks and support national, regional and international efforts to foster chemical safety and security. The website will offer training materials and will serve as a tool to maintain contacts between partners and/or collaborators

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International conference on chemical safety and security, Tarnow, Poland, 8-9 November 2012 will be the official inauguration of the Centre

- The meeting, co-organised with G8 GP and the international organisations, will promote the global safety and security culture and initiate the International Centre for Chemical Safety and Security.
- Key stakeholders and target audiences for the conference include Governments, international organizations, chemical industries, academia, laboratories, NGO's, and independent experts.
- The meeting will start with a high-ranking plenary session, followed by work in the workshops/panels.
- The final session could adopt the Tarnow Declaration on global chemical safety and security culture. The draft text of the declaration will be discussed in advance with the national and international partners

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A.T. Kearney as a strategic partner in the finalization of the centre concept and business plan development

Activities

- Pre-feasibility study
- Business plan
- Communication to main stakeholders
- Participation in the Krynica Forum

Estimated costs

- USD 350.000 for the prefeasibility study and business plan
- USD 100.000 for communication (communication meetings)
- USD 100.000 for travel expenses and others

To be verified

Participants in the concept phase

- Project team
- ZA Tarnów
- Local authorities
- A.T. Kearney

Results

- Prefeasibility and business plan document
- Prefeasibility and business communication presentation (several versions)
- Implementation plan

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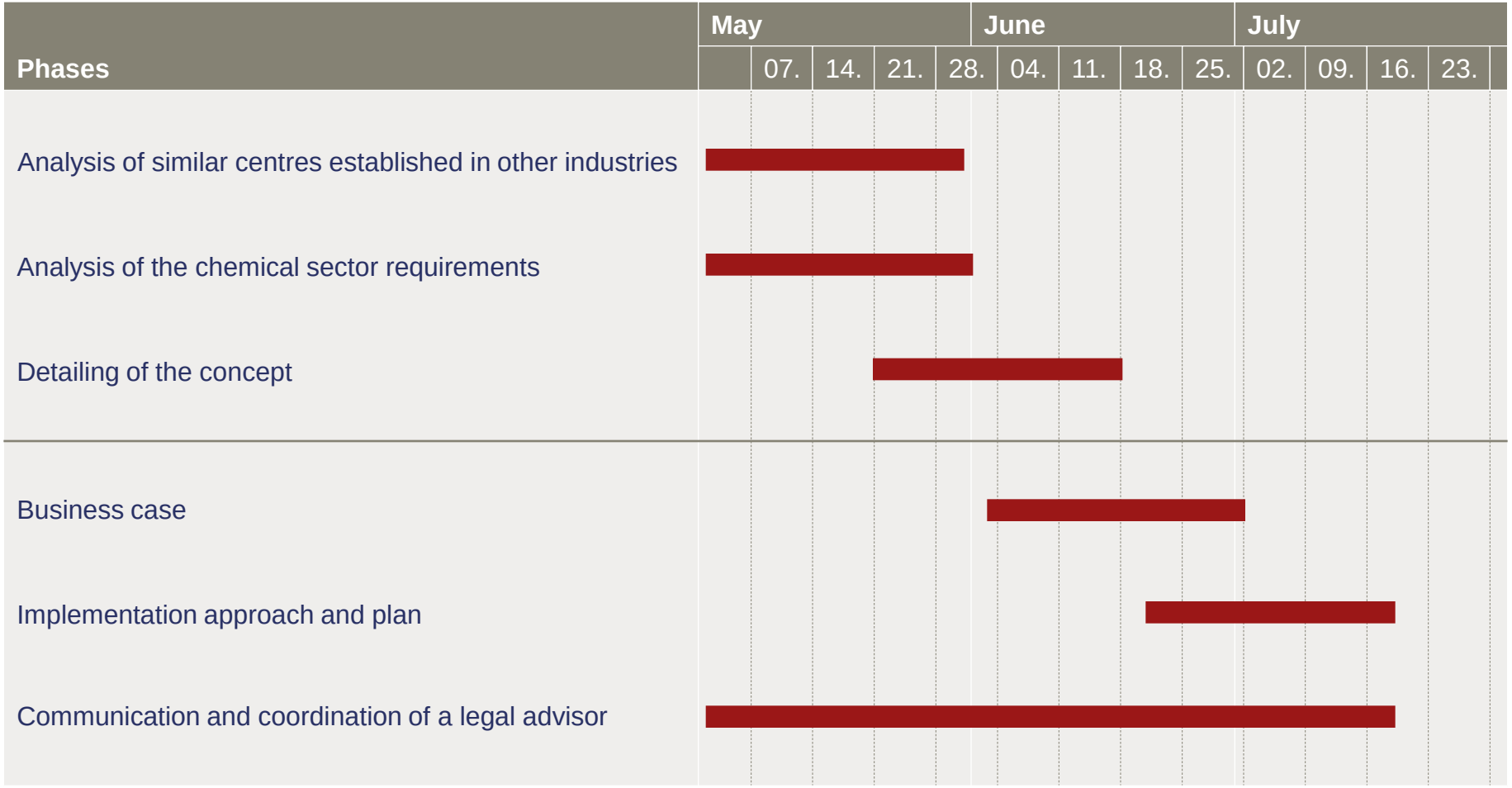
The project will be finalized within 2,5 months

Proposed project schedule



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Partnerships, Collaboration and Co-financing of the Centre

- The functioning model of the centre will provide a framework for participating as partners/collaborators and co-financing by third parties, private, national and international, who could provide relevant resources/expertise in the areas of chemical safety and security.

- The national and international stakeholders and donors are invited to co- finance the development and the functioning of the centre

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Questions? Comments?

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